

# The FMSB Newsletter

## CUTTING TOOLING STANDARDIZATION

In June, FMSB and Bechtel Plant Apparatus Division (PAD) hosted a Cutting Tooling Standardization Conference. Attendees included representatives from; Puget Sound Naval Shipyard, Pearl Harbor Naval Shipyard, Portsmouth Naval Shipyard, Norfolk Naval Shipyard, Nuclear Power Training Unit Ballston Spa, Naval Submarine Support Facility New London, General Dynamics/Electric Boat, Standard Navy Valve Yard (Newport News Shipbuilding and Drydock), and NAVSEA 08. The intent was to come up with the best tooling for all activities conducting repairs to Naval Nuclear Propulsion Plants. (POC Jim Null)

## TRADE SKILLS RELOCATION

The Trade Skills Course is being relocated. After IMANPY was dissolved, the TSC was moved inside the Controlled Industrial Area. In August 2000, the instructors are moving back to building 276 where the other FMSB courses are conducted. Please note the phone numbers on the last page are correct for this move. (POC Chuck Davis)

## FUTURE ARTICLES

If you have a question or article of interest for The FMSB Newsletter, please let us know. If the question/article would be of interest to others, we will conduct the research. E-mail, write, or call FMSB. (POC Jim Null)

## QAOC AND NPC COURSES

The 00-1 Nuclear Planners Course graduated 16 students on February 29, 2000. The NPC graduates went to CVNs (9), SIMA (1), Submarine Tenders (2), and NSSF New London (2). QAOC 00-2 started 25 April with a full class of 10 students. NPC 00-2 started 1 August with 10 students. The class graduates 1 September. Contact your detailer early to obtain a billet in NPC, QAOC or TSC. The proposed schedule for FY 01 classes is provided below. (POC Hod Verble).

### Nuclear Planners Course

NPC 01-1 24 Jan - 27 Feb 2001

NPC 01-2 31 Jul - 31 Aug 2001

### Quality Assurance Officers Course

QAOC 01-1 17 Oct - 16 Nov 2000

QAOC 01-2 24 Apr - 23 May 2001

### Trade Skills Course

TSC 01-1 11 Oct - 17 Nov 2000

TSC 01-2 09 Jan - 16 Feb 2001

TSC 01-3 03 Apr - 10 May 2001

TSC 01-4 10 Jul - 16 Aug 2001

## NNSY GALLEY REVISED DATE

The NNSY galley will be closed for renovation until 04/01. Students attending NNSY courses will be authorized COMRATS. There are limited eating facilities within walking distance of NNSY during class hours. There are no eating facilities within walking distance of NNSY after hours. It is recommended that a rental car be authorized for students until the galley is opened. (POC Jim Null)

## ON SITE TECHNICAL TRAINING

**H**ere is an overview of the on-site technical training conducted by FMSB the last three months. Norfolk area (32 attendees from SSNs, CVNs and FMAs) in July: technical work document (TWD) format, nuclear/non-nuclear interface, SUBSAFE, technical research, source documents, SUBSAFE, and steam plant cleanliness. Pearl Harbor based SSNs (19 attendees) in July: technical work document (TWD) format, nuclear/non-nuclear interface, SUBSAFE, technical research, source documents, and SUBSAFE. If your command desires on-site training in Propulsion Plant maintenance, contact FMSB. (POC Jim Null)

## TRAINING VALVE INVENTORY DATABASE

**T**he FMSB training valve inventory was placed on Norfolk Naval Shipyard's Nuclear Web page earlier this year. Of course, this only allowed shipyards and naval activities that have access to the shipyard wide area network the ability to see the training valve inventory. Recently, in conjunction with Code 2300I here at Norfolk, FMSB has placed the training valve inventory on the Naval Nuclear Propulsion Plant (NNPP) web, which will give access to many other naval and prime contractor activities.

Here's how you get to FMSB's training valve inventory.

- 1) You must have access to the NRWAN.
- 2) You must have a username and password for the NNPP web.
- 3) Once on the NNPP web, go to the NNSY homepage.
- 4) Next go to the FMSB homepage.
- 5) From there, follow the menu to search for the valve you need.

## SUBLANT QA OFFICER

**T**he new QA and SubSafe Officer at SUBLANT will be LCDR Dan Trem. LCDR Trem brings several years of nuclear repair experience to this job. We look forward to working with him. (POC Jim Null)

## CUTTING TOOL ELECTRIC DRIVE

**T**he Electric Drive motor was incorporated into training for a job at Trident Refit Facility, Kings Bay. The motor was well received and was subsequently used on the actual jobs that had been scheduled for this summer. The mechanics showed great enthusiasm for the new drive system and were particularly pleased with several of the many features associated it. Among them being constant torque, ability to change speeds, no exhaust and low noise. (POC Ken Korpany)

## DETAILERS

**D**etailer information is provided to assist in obtaining billets for FMSB courses.

NPC: ETCM (SS) Walker,  
p403cd@persnet.navy.mil, (901) 874-3627,  
DSN 882-3627.

QAOC: Pat Bell, p422s@persnet.navy.mil,  
(901)874-3936, DSN 882-3936, Fax (901)874-2648.

Trade Skills Course: MMC (SS) MARTIN,  
p403cg@persnet.navy.mil, (901) 874-3628,  
DSN 882-3628.

## PLANNERS HANDBOOK

**T**he FMSB has been compiling reference material for a Planners Handbook. The intent is to provide a pocket size, ready reference for frequently used information. The following page is an example of the information that will be found in the planners handbook. Comments, recommendations and suggestions are requested. (POC Tim Tew).

PIPE SIZES								
SCHEDULE 40					SCHEDULE 80			
DIA	OD	ID	WALL	2T	O.D.	I. D.	WALL	2T
1/8	0.405	0.269	0.068	1/8	0.405	0.215	0.095	3/16
1/4	0.540	0.364	0.088	3/16	0.540	0.302	0.119	1/4
3/8	0.675	0.493	0.091	3/16	0.675	0.423	0.126	1/4
1/2	0.840	0.622	0.109	7/32	0.840	0.546	0.147	5/16
3/4	1.050	0.824	0.113	7/32	1.050	0.742	0.154	5/16
1	1.315	1.049	0.133	9/32	1.315	0.957	0.179	11/32
1-1/4	1.660	1.380	0.140	9/32	1.660	1.278	0.191	3/8
1-1/2	1.900	1.610	0.145	5/16	1.900	1.500	0.200	13/32
2	2.375	2.067	0.154	5/16	2.375	1.939	0.218	7/16
2-1/2	2.875	2.469	0.203	13/32	2.875	2.323	0.276	9/16
3	3.500	3.068	0.216	7/16	3.500	2.900	0.300	19/32
3-1/2	4.000	3.548	0.226	15/32	4.000	3.364	0.318	5/8
4	4.500	4.026	0.237	1/2	4.500	3.826	0.337	21/32
4-1/2	5.000	4.506	0.247	1/2	5.000	4.290	0.355	11/16
5	5.563	5.047	0.258	17/32	5.563	4.813	0.375	3/4
6	6.625	6.065	0.280	9/16	6.625	5.761	0.432	27/32
7	8.625	7.981	0.322	21/32	8.625	7.625	0.500	1
8								

SCHEDULE 120					DECIMAL EQUIVALENTS			
DIA	O.D.	I.D.	WALL	2T	1/16	0.062	9/16	0.562
4	4.500	3.624	0.438	7/8	1/8	0.125	5/8	0.625
5	5.563	4.563	0.500	1	3/16	0.187	11/16	0.687
6	6.625	5.501	0.562	1-1/8	1/4	0.250	3/4	0.750
8	8.625	7.189	0.718	1-7/16	5/16	0.312	13/16	0.812
					3/8	0.375	7/8	0.875
					7/16	0.437	15/16	0.937
SCHEDULE 160					1/2	0.500	1	1.000
1/2	0.840	0.466	0.187	3/8				
3/4	1.050	0.614	0.218	7/16				
1	1.315	0.815	0.250	1/2				
1-1/4	1.660	1.160	0.250	1/2				
1-1/2	1.900	1.338	0.281	9/16				
2	2.375	1.689	0.343	11/16				
2-1/2	2.875	2.125	0.375	3/4				
3	3.500	2.624	0.438	7/8				
4	4.500	3.438	0.531	1-1/16				
5	5.563	4.313	0.625	1-1/4				
6	6.625	5.189	0.718	1-7/16				
8	8.625	6.813	0.906	1-13/16				

# MASTER INDEX

This is a new item for the Newsletter. We have indexed the topics of previous issues.

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Previous issues or articles are available by contacting FMSB by phone or e-mail. (POC Jim Null)

## NNSY CODE 138 WELDING & NDT

Johnny Broach - Welding (757) 396-5510/5579  
 BroachJL@nnsy.navy.mil  
 Eugene Charpia NDT (757) 396-5510/5579  
 CharpiaEV@nnsy.navy.mil  
 Jerry McKnight - Welding, NDT, LGI (757) 393-7113  
 McknightJB@nnsy.navy.mil  
 Jim McNabb - NDT (757) 396-5510/5579-  
 McNabbJP@nnsy.navy.mil  
 Chris Wray - NDT (757) 396-5510/5579-  
 WrayRC@nnsy.navy.mil

## NORFOLK NAVAL SHIPYARD FLEET MAINTENANCE SUPPORT BRANCH CODE 2380.3, BUILDING 276 PORTSMOUTH VA 23709-5000 FAX (757) 393-7120 (DSN 961-1185 + last four digits)

Mike Hardison - Supervisor (757) 393-7027  
 HardisonJM@nnsy.navy.mil  
 Tom Batts - Valve Replacement  
 (757) 393-7124 BattsTW@nnsy.navy.mil  
 Chuck Davis - Trade Skills, Valve Repair,  
 (757) 393-7185, DavisCE@nnsy.navy.mil  
 Gerry Dodd - Quality Notes, Freeze Seals, Training Valves ,  
 Media Discharge, and Mock-ups  
 (757) 393-7125 DoddGA@nnsy.navy.mil  
 Phil Doyle - Technical Manuals and Drawings  
 (757) 393-7141 DoylePJ@nnsy.navy.mil  
 Butch Estridge(757) - Trade Skills, valve replacement, pipe  
 fitting, 393-7186 EstridgeMC@nnsy.navy.mil  
 John Hancock - Cutting Tools and Lifting and Handling, Plant  
 Conditions (757) 393-7129 HancockJA@nnsy.navy.mil  
 John Henderson - Valve Repair  
 (757) 393-7131 HendersonJL@nnsy.navy.mil  
 Ken Korpanty - Cutting Tools (757) 393-7112  
 KorpantyKR@nnsy.navy.mil  
 W. T. Mitchell - Basic Trade Skill Lesson Plans (757) 393-7039  
 MitchellWT@nnsy.navy.mil  
 Jim Null - On-site Training and Sponsorship  
 (757) 393-7042 NullJL@nnsy.navy.mil  
 Mark Rice - Trade Skills, valve replacement, pipe fitting, (757)  
 393-7187, RiceME@nnsy.navy.mil  
 Robert Stokes - (757) 396-1803 StokesRS@nnsy.navy.mil  
 Tim Tew - FWP/CWPs, ShipAlts, JFMM  
 (757) 393-7140 TewTN@nnsy.navy.mil  
 Beverly Verble - Course Scheduling (757) 393-7144  
 VerbleBS@nnsy.navy.mil  
 Hod Verble - Reactor Plant/ Steam Plant Cleanliness, Material  
 Control (757) 393-7139 VerbleHL@nnsy.navy.mil  
 Tom Wunder - Testing, SubSafe (757) 393-7134  
 WunderTA@nnsy.navy.mil